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# KENTUCKY WEEKLY CROP & WEATHER REPORT



In Cooperation with:  
Univ. of Ky - Agr'l Weather Center  
U.S. Dept. of Commerce - NOAA  
Kentucky Department of Agriculture  
Cooperative Extension Service

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Released weekly April - November

Issued 4:00 P.M., July 26, 2010

17-10

**AGRICULTURAL NEWS:** Both rainfall and temperatures were above normal again last week; with the average temperature throughout the State 5 degrees above normal and two degrees warmer than the previous week at 81 degrees. Precipitation throughout the State was 0.48 inches above normal, totaling 1.53 inches. **Topsoil moisture** was rated as 11 percent very short, 27 percent short, 56 percent adequate, and 6 percent surplus. **Subsoil moisture** was rated as 9 percent very short, 33 percent short, 56 percent adequate, and 2 percent surplus. There were 5.1 days, out of a possible 7, suitable for fieldwork.

**ROW CROPS:** There are still reports of corn pollination problems in some fields. The corn crop condition was reported at 4 percent very poor, 9 percent poor, 25 percent fair, 45 percent good, and 17 percent excellent. Corn silking is at 85 percent, well ahead of last year's 69 percent and the five year average of 84 percent. Corn milked is at 58 percent, ahead of last year's 27 percent and the five year average of 46 percent. Corn dough is at 30 percent, ahead of last year's 8 percent and the five year average of 19 percent. Soybeans blooming was 75 percent, well ahead of last year's 48 percent, and the five year average of 56 percent. Soybean setting pods is at 33 percent, ahead of last year's 14 percent and the five year average of 26 percent. The condition of the soybean crop was reported as 3 percent very poor, 6 percent poor, 28 percent fair, 43 percent good, and 20 percent excellent.

**TOBACCO:** Throughout the State, there are reports of worms and black shank in the tobacco

crop. The condition of tobacco was reported as 3 percent very poor, 6 percent poor, 19 percent fair, 53 percent good and 19 percent excellent. Producers also report that tobacco harvest may begin this week.

**OTHER CROPS AND PASTURE:** As of July 25, pastures were rated as 4 percent very poor, 12 percent poor, 29 percent fair, 47 percent good, and 8 percent excellent. Hay crop condition was reported at 2 percent very poor, 9 percent poor, 32 percent fair, 46 percent good, and 11 percent excellent.

## CROP PROGRESS for week ending 07/25/10

Crop Stage	This Week	Last Week	Last Year	5-Yr Avg
Percent				
Corn Silking	85	81	69	84
Corn Milked	58	48	27	46
Corn Dough	30	16	8	19
Soybeans Blooming	75	68	48	56
Soybeans Setting Pods	33	22	14	26
Burley Tobacco Blooming	51	40	36	36
Burley Tobacco Topped	26	17	19	18
Dark Tobacco Blooming	71	60	56	52
Dark Tobacco Topped	47	29	34	41

## SOIL MOISTURE for week ending 07/25/10

	Very Short	Short	Adequate	Surplus
Percent				
Topsoil	11	27	56	6
Subsoil	9	33	56	2

## CROP CONDITIONS for week ending 07/25/10

Crop	Very Poor	Poor	Fair	Good	Ex
Percent					
Corn	4	9	25	45	17
Soybeans	3	6	28	43	20
Pasture	4	12	29	47	8
Hay Crops	2	9	32	46	11
Tobacco	3	6	19	53	19

## **KENTUCKY WEATHER SUMMARY, JULY 19 - 25, 2010:**

### **Above Normal Temperatures and Above Normal Rainfall:**

Both rainfall and temperatures were above normal again last week as heat started to build across the Bluegrass state. The exception to that rule was western Kentucky which received very little rainfall last week or for the past 30 days. Livestock heat stress levels moved into the emergency category for most of the state in response to the increase in heat and humidity.

Temperatures for the period averaged 81 degrees across the state which was 5 degrees above normal and two degrees warmer than the previous week. High temperatures averaged from 92 in the West to 88 in the East. Departure from normal high temperatures ranged from 3 degrees above normal in the West to 2 degrees above normal in the East. Low temperatures averaged from 73 degrees in the West to 70 degrees in the East. Departure from normal low temperature ranged from 7 degrees above normal in the West to 6 degrees above normal in the East.

Rainfall for the period totaled 1.53 inches statewide which was 0.48 inches above normal. Rainfall totals by climate division, West 0.54 inches, Central 2.00 inches, Bluegrass 1.84 inches and East 1.76 inches, which was 0.38 inches below normal, 0.89 inches above normal, 0.78 inches above normal, and 0.63 inches above normal. By station, precipitation totals ranged from a low of 0.01 inches at Paducah to a high of 3.70 inches at Glasgow.

Tom Priddy

### **KENTUCKY TEMPERATURES AND RAINFALL FOR WEEK ENDING SUNDAY, JULY 25, 7:00 P.M.**

Weather Station	Rainfall			Deviation From		Air Temperature				Growing Degree Days		
	Last Week	Since April 1	Last Four Wks	Norm Since Apr. 1	Norm Last 4 Wks	High	Low	Wkly. Avg.	Dev. From Norm	Last Week	Since Apr. 1	Dev. Since Apr. 1
		(Inches)						(Degrees Fahrenheit)				
Bardstown	1.27	17.10	3.30	+1.06	-1.10	92	69	80.4	+4	198	2395	+370
Berea	1.83	22.22	5.53	+5.64	+1.57	91	68	79.1	+4	193	2267	+186
Bowling Green	1.63	23.15	2.83	+5.90	-1.41	96	71	83.9	+8	211	2536	+425
Bristol	0.34	8.48	1.82	-5.74	-2.02	97	68	81.0	+6	195	2274	+365
Buckhorn Lake	1.03	14.95	2.95	-0.96	-1.37	90	68	78.3	+3	191	2199	+375
Cape Girardeau	0.12	15.21	3.43	-0.73	+0.23	95	71	83.4	+5	210	2567	+345
Campbellsville	2.19	22.69	3.89	+4.27	-0.86	92	67	79.5	+3	192	2336	+285
Covington	1.33	17.11	3.65	+1.82	-0.15	92	69	80.9	+5	203	2250	+376
Cumberland Gap	1.62	16.64	5.48	-0.76	+0.80	92	68	79.7	+4	195	2350	+471
Dix Dam	2.22	21.09	4.52	+4.46	+0.15	92	69	81.0	+6	199	2321	+296
Evansville	0.49	11.91	3.65	-3.61	+0.04	96	70	83.0	+5	208	2473	+367
Glasgow	3.70	20.17	5.17	+1.68	+0.43	93	71	81.4	+5	199	2453	+432
Grayson	2.71	23.12	6.57	+7.47	+2.27	90	67	79.3	+4	197	2211	+448
Hardinsburg	1.18	17.91	3.19	+1.09	-1.04	93	69	80.6	+4	199	2384	+273
Henderson	2.33	14.01	3.60	-1.89	-0.08	93	69	80.3	+2	195	2421	+285
Huntington	2.75	19.80	5.05	+4.26	+0.70	91	69	80.4	+5	201	2299	+395
Jackson	0.36	18.08	2.62	+1.45	-2.00	91	67	80.0	+5	198	2340	+516
Lexington	2.23	22.28	6.09	+6.24	+1.69	91	69	80.4	+5	200	2311	+407
London	1.84	15.91	4.21	+0.27	+0.01	92	68	79.2	+4	192	2329	+450
Louisville	1.68	20.28	4.11	+4.33	+0.13	96	72	85.4	+9	220	2638	+532
Mayfield	0.21	11.93	1.48	-5.12	-2.48	96	68	81.6	+4	197	2518	+346
Nashville	0.22	29.71	5.58	+13.69	+2.02	97	73	85.1	+9	212	2617	+365
Nolin Lake	2.52	19.74	3.74	+1.74	-0.72	92	70	80.3	+4	197	2360	+420
Paducah	0.01	12.70	1.37	-4.68	-2.41	98	72	84.9	+7	212	2563	+366
Princeton	0.10	20.67	2.20	+3.60	-1.64	96	72	83.1	+5	210	2506	+340
Quicksand	0.43	15.00	2.88	-1.63	-1.74	94	67	80.0	+5	190	2306	+482
Somerset	3.31	21.41	4.61	+3.81	+0.24	91	66	79.0	+4	190	2286	+316
Spindletop	2.11	20.17	5.56	+4.13	+1.16	91	69	81.0	+6	204	2318	+414
Williamstown	1.30	20.07	3.56	+4.09	-0.47	90	69	80.2	+5	203	2241	+337

The above information is provided by Tom Priddy, Kentucky Extension Agricultural Meteorologist, University of Kentucky Agr'l Weather Center (859)257-3000 ext 245. E-mail: priddy@uky.edu Additional Ky weather data available on Internet at: <http://www.wagwx.ca.uky.edu/>